Using Caffenol "JK/Ready-Mix" Formula
For Development of X-Ray Films

I recently did an experiment to find a different, but easy, "alturative" for my "Ansco-30/JK" reformulated developer. The "Caffenol Ready-Mix" I formulated three or four years ago I have never used for any films. I used this for the development in the "Paper Negative Process" I was experimenting and had it left over. So I gave this saved four year old concoction to try with X-ray film (Fuji HR-U) rated at 100 ISO, re-rolled on a 120 spool in a "Peterson" tank for 8 minutes at 68 degrees F. This article is about this successful development.

This became a bit of a three-fold experiment - as I have, never used caffenol for film processing. Nor have I used a electronic flash with X-ray films, or the "JK/Ready-Mix" with film. However - before we dive into the development process itself - here is the "Ready-Mix formula" I have used for the Paper Negative Process and now, the X-Ray Film Development Process:

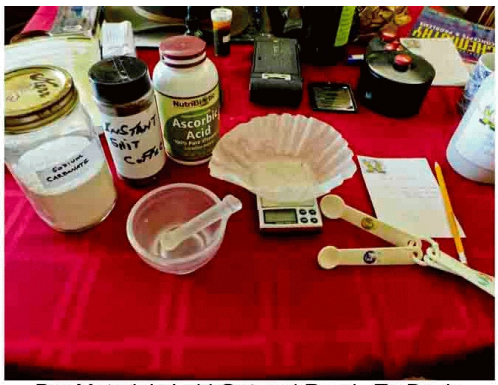
JK/Ready-Mix Caffenol (Dry Form) For Fuji HR-U Film:

10---- Tsp. Flat Level Instant Coffee POWDERED
4------ Tsp. Vitamin "C", Flat Level
6------ Tsp. Washing Soda, Flat Level

>>>---> Grind each separately to fine powder, and add together. (Store in an Airtight containment). The Coffee "crystals" MUST be of a very fine powder - I use a Blender or a mortar and pastel.
Do NOT add water at this time - Water to this Dry-Mix is to be added just before use.

Water added will be that of 550 ml - Stir and wait 10 minutes before use in a "Peterson" 120 roll film tank for use for 120 re-rolled X-ray (Fuji HR-U) film. Development time and temp. will be 8 minutes at 68 Degrees F. (Dump the spent developer out after use.) In air-tight bottles - store 50 Grams to add to 550ml of water for each session of development.

Shown Here Are The Exact Dry Materials
I Use To Make My "Ready-Mix"
Caffenol Developer for Paper Negatives


Dry Materials Laid Out and Ready To Begin
The Volumetric Measurements
AND the Corresponding Weights of Each

If the Coffee You are Making Use of Looks Like This
I Recommend That You Reduce The Granular Stuff
To a Finer Substance

Because of The Type of Instant Coffee That I Used
("Puffy Stuff") I Thought It Best To reduce To a Finer
Consistency

In A Mortar and Pastel
The Vitamin "C" is ground to make a
Unified Granular Even Substance

This "Ready-Mix" powder must be stored in a Air-Tight Container. It will last in this powdered state for 4 Years. I know this because I have just use a four year old powder "Ready-Mix" for these examples (On The Next Page) of X-ray film With Electronic Strobe Flash.

The examples above are the positives of the finals from X-Ray film with strobe flash (Canon Speedlite 550 EX) And a Minolta “Autocord” 6X6mm medium format camera. (F-4 @ 1/30 shutter.)

I am very confident that the Caffenol “Dry Ready-Mix” developer is a good developer for the X-ray development process. Even in a non-viewing tank.

I got this idea from working with Ready-Mix Concrete - (i.e. “Quick-Crete”) as I was thinking back to building a stationary planter-box for the front walkway near the front door. (I have as yet to build that.) I suppose most experimenters - innovators - get their ideas from unrelated sources. Or is it? Well! Concrete contains three basic things in it’s make up. Cement - Gravel - and Sand. Caffenol also has three. So = In Three There Is Truth.

Thank you for reading.

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